

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

Name of the work:- Drilling of borewells and providing pipe line to borewells in ward no.07 byatarayanapura kodigehalli sub division.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	2	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each BW	1938.46	Rupees One Thousand Nine Hundred Thirty Eight and Forty Six Paise Only
2	100.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m	Rmtr	315.18	Rupees Three Hundred Fifteen and Eighteen Paise Only
3	100.00	50 to 100 m	Rmtr	412.00	Rupees Four Hundred Twelve Only
4	100.00	100 to 150 m	Rmtr	458.35	Rupees Four Hundred Fifty Eight and Thirty Five Paise Only

Quantity.	Description	Unit	Rates	
			In Figures	In Words
100.00	150 to 200 m	Rmtr	484.10	Rupees Four Hundred Eighty Four and Ten Paise Only
6 100.00	200 to 250 m	Rmtr	560.32	Rupees Five Hundred Sixty and Thirty Two Paise Only
7 100.00	250 to 300 m	Rmtr	600.49	Rupees Six Hundred and Forty Nine Paise Only
8 80.00	300 to 340 m	Rmtr	640.66	Rupees Six Hundred Forty and Sixty Six Paise Only
9 140.00	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming to IS 554/1985, one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and duties) Prices include Collar-medium duty etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
10 60.00	Code No.: 3008 Providing 250mm dia PVC Pipe 10kg/cm etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	2203.39	Rupees Two Thousand Two Hundred Three and Thirty Nine Paise Only
11 2	Providing and fixing Borewell Cap and Clamp Set etc., complete and as per the directions of the Engineer-in-charge of the work	Set	1800.00	Rupees One Thousand Eight Hundred Only
12 2	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction, casing suction strainers sand guard Non return valve etc. complete . The pump and motor shall form an integral unit with all the required fittings 17.50 HP 40 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps etc., complete and as per the directions of the Engineer-in-charge of the work	No	78036.00	Rupees Seventy Eight Thousand Thirty Six Only

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
	560.00	Providing GI Pipe 50 mm 'B' Class etc., complete and as per the directions of the Engineer-in-charge of the work	m	415.00	Rupees Four Hundred Fifteen Only
14	94.00	Providing Collar 50 mm etc., complete and as per the directions of the Engineer-in-charge of the work	No	180.00	Rupees One Hundred Eighty Only
15	1160	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 4 Sqm mm etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	144.00	Rupees One Hundred Forty Four Only
16	47	Labour charges for erection as new /repaired submercible pumpset along with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset should be handed over to department including transportation (Each lenth =6.00) etc., complete and as per the directions of the Engineer-in-charge of the work	day	88.00	Rupees Eighty Eight Only
17	2.00	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., complete and as per the directions of the Engineer-in-charge of the work	Each	302.00	Rupees Three Hundred Two Only
18	60.00	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	140.40	Rupees One Hundred Forty and Forty Paise Only
19	60.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. 6Sqmm to 16 Sqmm) etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	10.80	Rupees Ten and Eighty Paise Only
20	50.00	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	85.00	Rupees Eighty Five Only
21	8	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	345.00	Rupees Three Hundred Forty Five Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
2	2	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., complete and as per the directions of the Engineer-in-charge of the work	No.	280.00	Rupees Two Hundred Eighty Only
23	2	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, etc., complete and as per the directions of the Engineer-in-charge of the work	No	2727.00	Rupees Two Thousand Seven Hundred Twenty Seven Only
24	12	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete and as per the directions of the Engineer-in-charge of the work	No	180.00	Rupees One Hundred Eighty Only
25	2	Providing and fixing 50mm nominal bore gun metal non-return etc., complete and as per the directions of the Engineer-in-charge of the work	Nos	1800.00	Rupees One Thousand Eight Hundred Only
26	2	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898-5-32Amps Group A TPN etc., complete and as per the directions of the Engineer-in-charge of the work	No	1547.00	Rupees One Thousand Five Hundred Forty Seven Only
27	46800.00	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete and as per the directions of the Engineer-in-charge of the work	Sq. C m	0.33	and Thirty Three Paise Only
28	2	Providing outdoor panel upto 15.00 HP etc., complete and as per the directions of the Engineer-in-charge of the work	No.	15500.00	Rupees Fifteen Thousand Five Hundred Only
29	606.60	Earthwork excavation for pipeline trenches including deporting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following structure manhole. Hard Soil etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	188.00	Rupees One Hundred Eighty Eight Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
	1348.00	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and includng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the exexcavation etc., complete and as per the directions of the Engineer-in-charge of the work 75 mm dia 6 KSC PVC pipe	Rmtr	123.00	Rupees One Hundred Twenty Three Only
31	363.96	Refilling the basement and pipeline treanches with seclated available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	61.00	Rupees Sixty One Only
32	242.64	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	952.94	Rupees Nine Hundred Fifty Two and Ninety Four Paise Only
33	2	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.- for 50mm dia: etc., complete and as per the directions of the Engineer-in-charge of the work	Each	222.60	Rupees Two Hundred Twenty Two and Sixty Paise Only
34	43	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all léads complete as per specification with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each	2229.18	Rupees Two Thousand Two Hundred Twenty Nine and Eighteen Paise Only
35	242.64	Filling the foundations KSRRB. 2100-6. Filling the foundations trenches using approved sand as per drawing and technical specifications in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour etc., complete and as per the directions of the Engineer-in-charge of the work	cum	3221.34	Rupees Three Thousand Two Hundred Twenty One and Thirty Four Paise Only

"DTS Approved"


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Note:

- Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)
- Unit rates and prices shall be quoted by the Tender in Indian rupees.
- Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a))
- Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))